

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/508,759B
Source: IFWP
Date Processed by STIC: 8/28/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 08/28/2006

PATENT APPLICATION: US/10/508,759B

TIME: 09:54:43

Input Set : A:\A30215APGSEQ-amended.txt
 Output Set: N:\CRF4\08282006\J508759B.raw

3 <110> APPLICANT: APROGEN INC.
 5 <120> TITLE OF INVENTION: HUMANIZED ANTIBODY AND PROCESS FOR PREPARING SAME
 7 <130> FILE REFERENCE: PCA30215/APG
 9 <140> CURRENT APPLICATION NUMBER: US/10/508,759B
 10 <141> CURRENT FILING DATE: 2004-09-22
 12 <150> PRIOR APPLICATION NUMBER: KR10-2002-0015708
 13 <151> PRIOR FILING DATE: 2002-03-22
 15 <160> NUMBER OF SEQ ID NOS: 38
 17 <170> SOFTWARE: KopatentIn 1.71
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 345
 21 <212> TYPE: DNA
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Variable region of humanized light chain HZVII
 27 <400> SEQUENCE: 1
 28 caggtccagc tggcgcagtc tggagctgaa gtgaagaagc ctggggccctc agtgaagg 60
 30 tcctgcacaaag cttctggctta caccttcacc agtgcttggaa tgaactgggt gcgacaggcc 120
 32 cctggacagg gtcttgatgt gatgggacgg atttattccta gtgggtggaaag cactagctac 180
 34 gcacagaagt tccaggcgcag agtcacaatg actgcagaca aatccacgag cacagtctac 240
 36 atggagctca gcagcctgag atctgaggac acggcggtgtt attactgtgc aagagagtac 300
 38 cgggttgcggcc gttggggcca aggaactctg gtcactgtctt cttca 345
 41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 115
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: Variable region of humanized light chain HZVII
 50 <400> SEQUENCE: 2
 51 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Ala Pro Gly Ala
 52 1 5 10 15
 54 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Ala
 55 20 25 30
 57 Trp Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
 58 35 40 45
 60 Gly Arg Ile Tyr Pro Ser Gly Gly Ser Thr Ser Tyr Ala Gln Lys Phe
 61 50 55 60
 63 Gln Gly Arg Val Thr Met Thr Ala Asp Lys Ser Thr Ser Thr Val Tyr
 64 65 70 75 80
 66 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 67 85 90 95
 69 Ala Arg Glu Tyr Arg Val Ala Arg Trp Gly Gln Gly Thr Leu Val Thr
 70 100 105 110

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72 Val Ser Ala
 73 115
 76 <210> SEQ ID NO: 3
 77 <211> LENGTH: 336
 78 <212> TYPE: DNA
 79 <213> ORGANISM: Artificial Sequence
 81 <220> FEATURE:
 82 <223> OTHER INFORMATION: Variable region of humanized light chain HZIV
 84 <400> SEQUENCE: 3
 85 gatatcgtga tgacccaaac tccactttct ttgtcggtta cccctggaca accagcctct 60
 87 atctcttgca agtcaagtca gagcctctta tatagtaatg gaaaaaccta tttgaattgg 120
 89 ttattacaga agccagggca gcctccacag cgcctaatct atctgggtgc taatcggac 180
 91 tctggagtcc ctgacaggtt cagtggcagt gcatcagggaa cagattttac actgaaaatc 240
 93 agcagagtgg aggctgagga tggggaggtt tattactgcg tgcaaggtaac acattttcct 300
 95 cagacgttcg gtggaggcac caaggtggaa atcaaa 336
 98 <210> SEQ ID NO: 4
 99 <211> LENGTH: 112
 100 <212> TYPE: PRT
 101 <213> ORGANISM: Artificial Sequence
 103 <220> FEATURE:
 104 <223> OTHER INFORMATION: Variable region of humanized light chain HZIV
 106 <400> SEQUENCE: 4
 107 Asp Ile Val Met Thr Gln Thr Pro Leu Ser Leu Ser Val Thr Pro Gly
 108 1 5 10 15
 110 Gln Pro Ala Ser Ile Ser Cys Lys Ser Ser Gln Ser Leu Leu Tyr Ser
 111 20 25 30
 113 Asn Gly Lys Thr Tyr Leu Asn Trp Leu Leu Gln Lys Pro Gly Gln Pro
 114 35 40 45
 116 Pro Gln Arg Leu Ile Tyr Leu Val Ser Asn Arg Asp Ser Gly Val Pro
 117 50 55 60
 119 Asp Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
 120 65 70 75 80
 122 Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Val Gln Gly
 123 85 90 95
 125 Thr His Phe Pro Gln Thr Phe Gly Gly Thr Lys Val Glu Ile Lys
 126 100 105 110
 131 <210> SEQ ID NO: 5
 132 <211> LENGTH: 26
 133 <212> TYPE: DNA
 134 <213> ORGANISM: Artificial Sequence
 136 <220> FEATURE:
 137 <223> OTHER INFORMATION: oligomer Ryu94
 140 <400> SEQUENCE: 5
 141 gagaattcac attcacgatg tacttg 26
 144 <210> SEQ ID NO: 6
 145 <211> LENGTH: 33
 146 <212> TYPE: DNA
 147 <213> ORGANISM: Artificial Sequence
 149 <220> FEATURE:

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150 <223> OTHER INFORMATION: oligomer HUR43-1
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 154 ctgctgcagc tggacctgac tctggacacc att 33
 157 <210> SEQ ID NO: 7
 158 <211> LENGTH: 33
 159 <212> TYPE: DNA
 160 <213> ORGANISM: Artificial Sequence
 162 <220> FEATURE:
 163 <223> OTHER INFORMATION: oligomer HUR44-1
 166 <400> SEQUENCE: 7
 167 caggtccagc tgcagcagtc tggacctgaa ctg 33
 170 <210> SEQ ID NO: 8
 171 <211> LENGTH: 33
 172 <212> TYPE: DNA
 173 <213> ORGANISM: Artificial Sequence
 175 <220> FEATURE:
 176 <223> OTHER INFORMATION: oligomer HUR45-1
 179 <400> SEQUENCE: 8
 180 tggcccttg gtggaggctg cagagacagt gac 33
 183 <210> SEQ ID NO: 9
 184 <211> LENGTH: 33
 185 <212> TYPE: DNA
 186 <213> ORGANISM: Artificial Sequence
 188 <220> FEATURE:
 189 <223> OTHER INFORMATION: oligomer HUR46-1
 192 <400> SEQUENCE: 9
 193 gcctccacca agggccatc ggtttcccc ctg 33
 196 <210> SEQ ID NO: 10
 197 <211> LENGTH: 28
 198 <212> TYPE: DNA
 199 <213> ORGANISM: Artificial Sequence
 201 <220> FEATURE:
 202 <223> OTHER INFORMATION: oligomer HUR31
 205 <400> SEQUENCE: 10
 206 cagcggccgc tcatttaccc ggggacag 28
 209 <210> SEQ ID NO: 11
 210 <211> LENGTH: 26
 211 <212> TYPE: DNA
 212 <213> ORGANISM: Artificial Sequence
 214 <220> FEATURE:
 215 <223> OTHER INFORMATION: oligomer Ryu86
 218 <400> SEQUENCE: 11
 219 caaagcttgg aagcaagatg gattca 26
 222 <210> SEQ ID NO: 12
 223 <211> LENGTH: 27
 224 <212> TYPE: DNA
 225 <213> ORGANISM: Artificial Sequence
 227 <220> FEATURE:
 228 <223> OTHER INFORMATION: oligomer HUR48

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231 <400> SEQUENCE: 12
232 caagatatcc ccacaggtac cagatac
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 27
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: oligomer HUR49
244 <400> SEQUENCE: 13
245 tgtggggata tcttgatgac ccaaact
248 <210> SEQ ID NO: 14
249 <211> LENGTH: 27
250 <212> TYPE: DNA
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: oligomer HUR50
257 <400> SEQUENCE: 14
258 cacagatctt ttgatttcca gcttggt
261 <210> SEQ ID NO: 15
262 <211> LENGTH: 27
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: oligomer HUR51
270 <400> SEQUENCE: 15
271 atcaaaaagat ctgtggctgc accatct
274 <210> SEQ ID NO: 16
275 <211> LENGTH: 58
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: oligomer CK1D
283 <400> SEQUENCE: 16
284 gcgccgtcta gaattaacac tctccctgt tgaagcttt tgtgacgggc gaactcag
287 <210> SEQ ID NO: 17
288 <211> LENGTH: 27
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: oligomer YM001N
296 <400> SEQUENCE: 17
297 ccggaattca cattcacat gtacttg
300 <210> SEQ ID NO: 18
301 <211> LENGTH: 16
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: oligomer YM003
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310 tgcccccaga ggtgct          16
313 <210> SEQ ID NO: 19
314 <211> LENGTH: 33
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: oligomer ym257
322 <400> SEQUENCE: 19
323 acccatttcag tgcttcttgg atgaactggg tga          33
326 <210> SEQ ID NO: 20
327 <211> LENGTH: 31
328 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: oligomer YM258
335 <400> SEQUENCE: 20
336 atccaaagaag cactgaatgc gtagccagaa g          31
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340 <211> LENGTH: 38
341 <212> TYPE: DNA
342 <213> ORGANISM: Artificial Sequence
344 <220> FEATURE:
345 <223> OTHER INFORMATION: oligomer YM004
348 <400> SEQUENCE: 21
349 ccaattcaaa gcggttttc cattactata taagaggc          38
352 <210> SEQ ID NO: 22
353 <211> LENGTH: 32
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: oligomer YM009
361 <400> SEQUENCE: 22
362 gcagccaccc tacgtttgat ttccaccttg gt          32
365 <210> SEQ ID NO: 23
366 <211> LENGTH: 39
367 <212> TYPE: DNA
368 <213> ORGANISM: Artificial Sequence
370 <220> FEATURE:
371 <223> OTHER INFORMATION: oligomer Ryu 166
374 <400> SEQUENCE: 23
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378 <210> SEQ ID NO: 24
379 <211> LENGTH: 27
380 <212> TYPE: DNA
381 <213> ORGANISM: Artificial Sequence
383 <220> FEATURE:
384 <223> OTHER INFORMATION: oligomer Hur 37
387 <400> SEQUENCE: 24
388 gacaaatcca cgagcacagt ctacatg          27

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/508,759B

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Input Set : A:\A30215APGSEQ-amended.txt

Output Set: N:\CRF4\08282006\J508759B.raw